

State Soil Geographic (STATSGO) Data Base

Data Product Keywords

Soils, land resource regions, major land resource area, properties, interpretations.

Summary

Soil maps for the State Soil Geographic (STATSGO) data base are made by generalizing the detailed soil survey data. The mapping scale for STATSGO map is 1:250,000 (with the exception of Alaska, which is 1:1,000,000). The level of mapping is designed to be used for broad planning and management uses covering state, regional, and multi-state areas.

Extent of Program

National

Available Product Coverage

STATSGO data are available for the conterminous U.S., Alaska, Hawaii, and Puerto Rico.

Information Content

Digitizing is done by line segment (vector) format in accordance with Natural Resources Conservation Service (NRCS) digitizing standards. The base map used is the U.S. Geological Survey 1:250,000 topographic quadrangles. The number of soil polygons per quadrangle map is between 100 and 400. The minimum area mapped is about 1,544 acres.

STATSGO data are collected in 1:250,000 quadrangle units. Map unit delineations match at state boundaries. States have been joined as one complete seamless data base to form statewide coverage. Composition of soil map units was coordinated across state boundaries, so that component identities and relative extents would match.

Each STATSGO map is linked to the Soil Interpretations Record (SIR) attribute data base. The attribute data base gives the proportionate extent of the component soils and their properties for each map unit. The STATSGO map units consist of 1 to 21 components each. The Soil Interpretations Record data base includes over 25 physical and chemical soil properties, interpretations, and productivity. Examples of information that can be queried from the data base are available water capacity, soil reaction, salinity, flooding, water table, bedrock, and interpretations for engineering uses, cropland, woodland, rangeland, pastureland, wildlife, and recreation development.

Product Delivery Format

STATSGO data are available in the USGS Digital Line Graph (DLG-3) optional distribution format. NRCS soil map symbols are not normally carried within the DLG-3 file; however, these map symbols are made available as a unique ASCII file when NRCS soils data are distributed in the DLG-3 format. STATSGO data are also available in ArcInfo 7.0 coverage and GRASS 4.13 vector formats.

Technical, Ordering, and Availability Information

To obtain STATSGO spatial and attribute data, contact:

National Cartography and GIS Center
USDA - Natural Resources Conservation Service
P.O. Box 6567
Fort Worth, TX 76115
Telephone: 1-800-672-5559
FAX: (817) 509-3469

To obtain technical information about the use of soil data, please contact the NRCS State Soil Scientist in your state, or contact:

National Soil Survey Center
USDA - Natural Resources Conservation Service
Federal Building, Room 152
100 Centennial Mall, North
Lincoln, NE 68508-3866
Telephone: (402) 437-4007
FAX: (402) 437-5336

Current Price: \$50.00 for single CD-ROM disk.

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